

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference P894 PC00	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/DK2004/000416	International filing date (day/month/year) 15/06/2004	(Earliest) Priority Date (day/month/year) 16/06/2003
Applicant NUEVOLUTION A/S		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ The international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. ☒ With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. ☐ **Certain claims were found unsearchable** (See Box II).

3. ☐ **Unity of invention is lacking** (see Box III).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. the figure of the **drawings** to be published with the abstract is Figure No. 1

☐ as suggested by the applicant.

☐ as selected by this Authority, because the applicant failed to suggest a figure.

☒ as selected by this Authority, because this figure better characterizes the invention.

b. ☐ none of the figures is to be published with the abstract.

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INTERNATIONAL SEARCH REPORT

International application No.

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Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. type of material
 - ☒ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material
 - ☒ in written format
 - ☒ in computer readable form
 - c. time of filing/furnishing
 - ☐ contained in the international application as filed
 - ☐ filed together with the international application in computer readable form
 - ☒ furnished subsequently to this Authority for the purpose of search
2. ☒ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

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International Application No
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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/10 C12N15/67 C07B61/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C12N C07B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, CAB Data, Sequence Search, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/059293 A2 (FORSTER, ANTHONY, C; BLACKLOW, STEPHEN, C) 1 August 2002 (2002-08-01) the whole document	78,79,82
X	FORSTER ANTHONY C ET AL: "Programming peptidomimetic syntheses by translating genetic codes designed de novo." PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA, vol. 100, no. 11, 27 May 2003 (2003-05-27), pages 6353-6357, XP002316170 ISSN: 0027-8424 the whole document	78,79,82

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

3 February 2005

Date of mailing of the international search report

28/02/2005

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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02/103008 A2 (NUEVOLUTION A/S; PEDERSEN, HENRIK; GOUILAEV, ALEX, HAAHR; SAMS, KLARNE) 27 December 2002 (2002-12-27) claims 243-316 -----	78-81, 83,84
X	WO 02/074929 A2 (PRESIDENT AND FELLOWS OF HARVARD COLLEGE; LIU, DAVID, R; GARTNER, ZEV,) 26 September 2002 (2002-09-26) claims 1-46; figures 1-57 -----	78-81, 83,84
X	WO 00/23458 A1 (THE BOARD OF TRUSTEES OF THE LELAND STANFORD JUNIOR UNIVERSITY) 27 April 2000 (2000-04-27) cited in the application claims 1-14 -----	78-81, 83,84
A	WO 02/085923 A2 (THE SCRIPPS RESEARCH INSTITUTE; SCHULTZ, PETER; WANG, LEI; ANDERSON, J) 31 October 2002 (2002-10-31) the whole document -----	1-84
A	DE 196 46 372 C1 (EVOTEC BIOSYSTEMS GMBH, 22529 HAMBURG, DE) 19 June 1997 (1997-06-19) the whole document -----	1-84
A	EP 0 962 527 A1 (MITSUBISHI CHEMICAL CORPORATION) 8 December 1999 (1999-12-08) the whole document -----	1-84
A	WO 98/31700 A1 (THE GENERAL HOSPITAL CORPORATION) 23 July 1998 (1998-07-23) the whole document -----	1-84
A	WO 01/07657 A1 (PHYLOS, INC) 1 February 2001 (2001-02-01) the whole document -----	1-84

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 02059293	A2	01-08-2002	CA 2435812 A1 01-08-2002 EP 1356036 A2 29-10-2003 JP 2004531225 T 14-10-2004 US 2004091955 A1 13-05-2004
WO 02103008	A2	27-12-2002	CA 2451524 A1 27-12-2002 WO 02102820 A1 27-12-2002 EP 1402024 A2 31-03-2004 EP 1401850 A1 31-03-2004 JP 2004535193 T 25-11-2004 US 2003143561 A1 31-07-2003 US 2004049008 A1 11-03-2004 WO 03078625 A2 25-09-2003 WO 03078445 A2 25-09-2003 WO 03078626 A2 25-09-2003 WO 03078050 A2 25-09-2003 WO 03078446 A2 25-09-2003 WO 03078627 A2 25-09-2003 EP 1487978 A2 22-12-2004 EP 1487848 A2 22-12-2004 EP 1487849 A2 22-12-2004 EP 1487850 A2 22-12-2004 EP 1487851 A2 22-12-2004 EP 1490384 A2 29-12-2004
WO 02074929	A2	26-09-2002	US 2003113738 A1 19-06-2003 CA 2441820 A1 26-09-2002 EP 1423400 A2 02-06-2004 JP 2004536162 T 02-12-2004
WO 0023458	A1	27-04-2000	AU 1318400 A 08-05-2000 CA 2346989 A1 27-04-2000 EP 1123305 A1 16-08-2001
WO 02085923	A2	31-10-2002	CA 2443757 A1 31-10-2002 CA 2444098 A1 31-10-2002 EP 1490483 A2 29-12-2004 EP 1456360 A2 15-09-2004 JP 2004537984 T 24-12-2004 WO 02086075 A2 31-10-2002 US 2003082575 A1 01-05-2003 US 2003108885 A1 12-06-2003
DE 19646372	C1	19-06-1997	NONE
EP 0962527	A1	08-12-1999	DE 69730157 D1 09-09-2004 US 6361943 B1 26-03-2002 EP 1477561 A2 17-11-2004 WO 9816636 A1 23-04-1998 JP 2004275194 A 07-10-2004 US 2002072087 A1 13-06-2002 US 2003022230 A1 30-01-2003
WO 9831700	A1	23-07-1998	AU 738328 B2 13-09-2001 AU 6241998 A 07-08-1998 CA 2278786 A1 23-07-1998 CN 1251593 T 26-04-2000 EP 0971946 A1 19-01-2000

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/DK2004/000416

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9831700	A1	JP 2002513281 T	08-05-2002
		RU 2233878 C2	10-08-2004
		TW 589323 B	01-06-2004
		US 6258558 B1	10-07-2001
		US 6518018 B1	11-02-2003
		US 6214553 B1	10-04-2001
		US 6281344 B1	28-08-2001
		US 6261804 B1	17-07-2001
		US 6207446 B1	27-03-2001
		US 2004253612 A1	16-12-2004
		US 2003022236 A1	30-01-2003
		ZA 9800489 A	08-09-1998
WO 0107657	A1	01-02-2001	
		AU 6111200 A	13-02-2001
		CA 2377468 A1	01-02-2001
		EP 1196637 A1	17-04-2002
		JP 2003505094 T	12-02-2003
		NO 20020348 A	23-01-2002
		US 2002182687 A1	05-12-2002
		US 6429300 B1	06-08-2002